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J. E. Stone and A. M. Scallan, A Study of Cell Well Structure by Nitrogen Adsorption, Pulp Paper Magazine, Canada,
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FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF PATENT AND TRADER	F COMMERCE MARK OFFICE	ATTY, DOCKET NO		SERIAL NO.	, N		
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT(S) Young Chan KO et al.					
				FILING DATE		GROUP	නි ~		
		U.S.	PATENT D	OCUMENTS					
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING D IF APPROF		
	AA	3,987,968	10/1976	Moore et al.					
ν	AB	3,497,418	02/1970	Thale et al.				-	
/	AC	3,770,575	11/1973	Ball					
	AD	4,183,145	01/1980	Piterskikh et al.					
10	AE	4,481,076	11/1984	Herrick					
	AF	4,657,767	04/1987	Meade				•	
	₽G	5,015,332	05/1991	Iwaya et al.		7			
	АН	5,100,509	03/1992	Pisecky et al.	1 \ /				
	AI	5,137,537	08/1992	Herron et al.					
1/	AJ	5,223,088	06/1993	Hansen					
	AK	5,435,822	07/1995	Blouin					
			ON PATENT	DOCUMENTS					
							TRANSL	ATION	
	<u> </u>	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO	
N	AJ/	3-267200	11/1991	Japan			Abstract	·	
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in conformance and not considered. Include copy of this form with next communication to applicant.

							Sheet 3	_ of <u>3</u>		
FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF PATENT AND TRADER	COMMERCE	ATTY, DOCKET NO.		SERIAL NO.				
•				KCC-16,55	8					
LI	ST OF	PRIOR ART CITED BY APPLICANT	•	APPLICANT(S)	<u> </u>					
	(1	Use several sheets if necessary)		Young Chan KO et al.						
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INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING IF APPRO			
1	AA	5,830,317	11/1998	Vinson et al.				·		
4	АВ	5,849,862	12/1998	Davies et al.						
	AC	5,958,185	09/1999	Vinson et al.	\geq	_				
	AD	6,237,247	05/2001	Van Den Meersche						
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CONTOUTNANCE	and not o	considered. Include copy of this form with	next commu	nication to applicant.			OMM-DC 80	3-3985		